UNITED STATES
PATENT AND
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● NOTICE ●

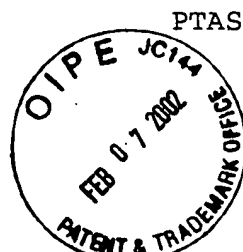DEC 2 6 2001

Patton Boggs LLP

DECEMBER 19, 2001

PATTON BOGGS LLP
JAMES M. GRAZIANO
P.O. BOX 270930
LOUISVILLE, CO 80027

PTAS

Under Secretary of Commerce For Intellectual Property and
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SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/03/2001   REEL/FRAME: 012232/0457
                                        NUMBER OF PAGES: 11

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
    GENERAL DATACOMM, INC.   DOC DATE: 08/08/2001

ASSIGNEE:
    AHEAD COMMUNICATIONS SYSTEMS, INC.
    MIDDLEBURY, CONNECTICUT

SERIAL NUMBER: 09029585   FILING DATE: 02/27/1998
PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09172545   FILING DATE: 10/14/1998
PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 60093826   FILING DATE: 07/22/1998
PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09029295   FILING DATE: 03/05/1998
PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 60093681   FILING DATE: 07/22/1998
PATENT NUMBER: ISSUE DATE:

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SERIAL NUMBER: 09744323   FILING DATE: 05/29/2001
PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09077219   FILING DATE: 05/19/1998
PATENT NUMBER: 6327246   ISSUE DATE: 12/04/2001

SERIAL NUMBER: 09744324   FILING DATE: 03/05/2001
PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09289463   FILING DATE: 04/09/1999
PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09289464   FILING DATE: 04/09/1999
PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09806783   FILING DATE: 05/21/2001
PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09371196   FILING DATE: 08/10/1999
PATENT NUMBER: 6282191   ISSUE DATE: 08/28/2001

SERIAL NUMBER: 09636277   FILING DATE: 08/10/2000
PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09408449   FILING DATE: 09/29/1999
PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 08147939   FILING DATE: 11/05/1993
PATENT NUMBER: 5436893   ISSUE DATE: 07/25/1995

SERIAL NUMBER: 08622897   FILING DATE: 03/29/1996
PATENT NUMBER: 5949782   ISSUE DATE: 09/07/1999

SERIAL NUMBER: 08973441   FILING DATE: 12/04/1997
PATENT NUMBER: 6122253   ISSUE DATE: 09/19/2000

SERIAL NUMBER: 08532888   FILING DATE: 09/22/1995
PATENT NUMBER: 5615211   ISSUE DATE: 03/25/1997

SERIAL NUMBER: 08913815   FILING DATE: 09/15/1997
PATENT NUMBER: 6044060   ISSUE DATE: 03/28/2000

SERIAL NUMBER: 08973442   FILING DATE: 12/04/1997
PATENT NUMBER: 6115358   ISSUE DATE: 09/05/2000

SERIAL NUMBER: 08526846   FILING DATE: 09/11/1995
PATENT NUMBER: 5712853   ISSUE DATE: 01/27/1998

SERIAL NUMBER: 08644308   FILING DATE: 05/10/1996
PATENT NUMBER: 5841773   ISSUE DATE: 11/24/1998

SERIAL NUMBER: 08942021   FILING DATE: 10/01/1997
PATENT NUMBER: 6028840   ISSUE DATE: 02/22/2000

SERIAL NUMBER: 09015303   FILING DATE: 01/29/1998
PATENT NUMBER: 6041064   ISSUE DATE: 03/21/2000

SERIAL NUMBER: 08853654   FILING DATE: 05/09/1997
PATENT NUMBER: 6141322   ISSUE DATE: 10/31/2000

SERIAL NUMBER: 08406300   FILING DATE: 03/17/1995
PATENT NUMBER: 5796956   ISSUE DATE: 08/18/1998

SERIAL NUMBER: 08675955   FILING DATE: 07/05/1996
PATENT NUMBER: 5864555   ISSUE DATE: 01/26/1999

SERIAL NUMBER: 09015302   FILING DATE: 01/29/1998
PATENT NUMBER: 6088365   ISSUE DATE: 07/11/2000

SERIAL NUMBER: 08930973   FILING DATE: 10/07/1997
PATENT NUMBER: 6067286   ISSUE DATE: 05/23/2000

SERIAL NUMBER: 08573244   FILING DATE: 12/15/1995
PATENT NUMBER: 5659540   ISSUE DATE: 08/19/1997

SERIAL NUMBER: 09015301   FILING DATE: 01/29/1998
PATENT NUMBER: 6049544   ISSUE DATE: 04/11/2000

SERIAL NUMBER: 08317336   FILING DATE: 10/04/1994
PATENT NUMBER: 5461609   ISSUE DATE: 10/24/1995

SERIAL NUMBER: 08624812   FILING DATE: 03/27/1996
PATENT NUMBER: 5781529   ISSUE DATE: 07/14/1998

JACQUELINE MOORE, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

RECORDATION FORM COVER SHEET
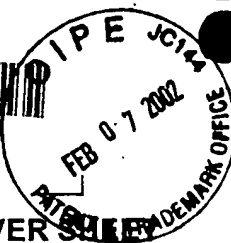PATENTS ONLY

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Patent and Trademark Office
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		Execution Date Month Day Year
Name (line 1)	General DataComm, Inc.	08082001
Name (line 2)		

Second Party

		Execution Date Month Day Year
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Name (line 2)		09389464

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Name (line 1)	Ahead Communications Systems, Inc.
Name (line 2)	
Address (line 1)	
Address (line 2)	
Address (line 3)	Middlebury CT

City   State/Country   Zip Code

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Domestic Representative Name and Address

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Name	John Cumberton
Address (line 1)	Ahead Communications Systems, Inc.
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Correspondent Name and Address

Area Code and Telephone Number (303) 379-1113

Name James M. Graziano

Address (line 1) Patton Boggs LLP

Address (line 2) P.O. Box 270930

Address (line 3)

Address (line 4) Louisville, CO 80027

Pages

Enter the total number of pages of the attached conveyance document including any attachments.   # 6

Application Number(s) or Patent Number(s)

[X] Mark if additional numbers attached

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Patent Application Number(s)			Patent Number(s)		
09029585	09029295	09077219	5436893	5615211	5712853
09172545	60093681	09744324	5949782	6044060	5841773
60093826	09744323	09289463	6122253	6115358	6028840

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month   Day   Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT [ ]   PCT [ ]   PCT [ ]

PCT [ ]   PCT [ ]   PCT [ ]

Number of Properties

Enter the total number of properties involved.   # 33

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): $ 1,320.00

Method of Payment: Enclosed [ ]   Deposit Account [X]
Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: # 50-1848

Authorization to charge additional fees: Yes [X]   No [ ]

Statement and Signature

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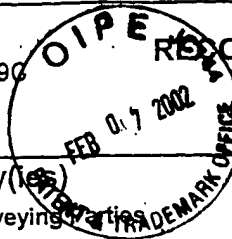
John Cumberton
Name of Person Signing

Signature

9/26/01
Date

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Name (line 1)	Execution Date Month Day Year
Name (line 2)	

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Address (line 3)   City   State/Country   Zip Code

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Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)			Patent Number(s)		
09289464	09371196	09408449	6041064	6088365	6049544
09806783	09636277		6141322	6067286	5461609
			5796956	5659540	5781529
			5864555		

PATENT/INVENTION ASSIGNMENT AND TRANSFER

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sums recited in the Asset Purchase Agreement between ASSIGNOR and ASSIGNEE of even date herewith, the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR: General DataComm, Inc.
                                             Middlebury, CT
                                           A Delaware corporation

hereby irrevocably sells, conveys, assigns and transfers to

ASSIGNEE: Ahead Communications Systems, Inc.
                                             Middlebury, CT
                                         A Delaware corporation

---

and its successors, assigns and legal representatives, the entire rights, title and interests, including all rights, appurtenant thereto, in and to certain Letters Patent and applications therefore and any continuations, continuations-in-part, divisionals, renewals, substitutions, reissues, re-examinations or extensions, thereof (the "Patents") identified in Exhibit 1 attached hereto, for the United States and its territorial possessions and for all countries foreign to the United States, including any and all associated rights, title and interests in and to all invention disclosures, whether or not formally disclosed, in the United States or in any country foreign to the United States, to be obtained for any and all inventions, concepts and ideas ("Inventions") constituting Acquired Assets as defined in the above referenced Asset Purchase Agreement, including all related rights of priority arising from the Patents and/or the Inventions under all treaties, conventions or agreements, and/or all the rights and privileges under any and all forms of United States or foreign protection outside of the United States, and which is commensurate with the full term of the granted patent.

This assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country for proof of right of Assignee to obtain and/or apply for a Patent or other form of protection for the invention and to claim the aforementioned benefit of the right of priority.

ASSIGNOR agrees that ASSIGNOR will execute, without further consideration, such further instruments and documents as are or may be necessary or convenient to effectuate and carry out this assignment and transfer.

ASSIGNOR agrees to the terms recited herein as evidenced by the signature of ASSIGNOR'S duly authorized representative.

Doc. 34126

Effective Date: August 13, 2001

_____
General DataComm, Inc.

United States of America)

State of Connecticut)

County of New Haven)

On this ___8th___ day of August, 2001, the above named individual personally appeared on behalf of the above entity in front of me and is known to be the person who is identified above, and who executed the foregoing assignment instrument and acknowledged to me that CP Johnson executed the same of ___his___ own free will for the purpose therein expressed.

_____
Notary Public

LAURIE A. ELIAS-PARKER
NOTARY PUBLIC
My Commission Expires May 31, 2006

Doc. 34126

GDC CONFIDENTIAL

EXHIBIT 1 TO PATENT ASSIGNEMENT

GDC ATM Patents, Patent Applications, and Patents in Process

Attorney File #	Title	US File Date	US File Serial #	US Patent #	US Patent Date
GDC-111	Synchronizing ATM AAL2 Minicell Generation to Multiple Voice Processing Functions				
GDC-120	SS7 Signalling Gateway Server for Voice Trunking over ATM				
GDC-091	High Speed Switching of Transport Circuits				
GDC-097	Planned Capacity Based Routing for Wide Area ATM Systems				
GDC-098	Load Balancing in ATM Networks				
GDC-099	Priority in ATM Networks				
GDC-126	Voice Transmission Utilizing ATM Protocols				
GDC-086	ATM Network Switch Having Enhanced Call Setup Capability	02/27/98	09/029,585		
GDC-087	ATM Switch with VC Priority Buffers	03/05/98	09/029,295		

Coc. 33962

Attorney File #	Title	US File Date	US File Serial #	US Patent #	US Patent Date
GDC-088	Controlled Available Bit Rate Service in an ATM Switch	05/19/98	09/077,219		
GDC-118	Hot Insertable UTOPIA Interface	10/14/98	09/172,545		
GDC-128	A Dynamic Buffer Management for ATM Switches	provisional0 7/22/98 final 1/19/01	60/093681 09/744,324		
GDC-129	An Explicit Rate ABR Algorithm for New Generation of ATM Switches	provisional0 7/22/98 final 1/19/99	60/093826 09/744,323		
GDC-130	Method for Mapping Narrowban DS0 circuits into AAL type 2 SVC's	04/09/99	09/289,463		
GDC-131	Method & Apparatus for Generation of ATM AAL2 type Broadband Setup Message from Narrowband Setup request	04/09/99	09/289,464		
GDC-132	Transporting Narrowband (voice) Traffic over a Broadband (ATM) Network	08/10/99	09/371,196		
GDC-134	Data Switch	9/29/99	09/408,449		
GDC-135	Bundle Shaping or Policing	09/29/99	PCT/US99/ 22643		

Attorney File #	Title	US File Date	US File Serial #	US Patent #	US Patent Date
GDC-137	Traffic Shaping Mechanism for Packetized Data in a Digital Network	08/10/00	09/636,277		
GDC-071	Allow Access to ILMI Address Registration MIB from Multiple Links and from SNMP Manager				
GDC-073	Route Encapsulation and Recovery of Node Dependent Paths				
GDC-085	Service Specific Convergence Sublayer for Narrowband Packetization & Transport				
GDC-089	Direct Telnet Protocol Over SPVCs				
GDC-117	Multicast Connection Label Allocator				
GDC-056	ATM Cell Switch Suitable for Multicast Switching	11/05/93	08/147,939	5,436,893	07/25/95
GDC-057	Data Network Switch	10/04/94	08/317,336	5,461,609	10/24/95
GDC-059	ATM Cell Switch	03/17/95	08/406,300	5,796,956	08/18/98

Coc. 33962

Attorney File #	Title	US File Date	US File Serial #	US Patent #	US Patent Date
GDC-063	Packet Mode Transfer for Microcell TDM Backplane	09/22/95	08/532,888	5,615,211	03/25/97
GDC-064	Use of OAM Cells across an ATM Frame UNI	09/11/95	08/526,846	5,712,853	01/27/98
GDC-070	User Programmable OAM Loopbacks and Physical Loopback Detection in an ATM Network	12/15/95	08/573,244	5,659,540	08/19/97
GDC-072	Routing ATM Switched Virtual Circuit Calls	03/27/96	08/624,812	5,781,529	07/14/98
GDC-075	"Proxy" Connection End-Points for ATM OAM Functions	07/05/96	08/675,955	5,864,555	01/26/99
GDC-077	Correlation Tag for Billing in ATM	03/29/96	08/622,897	5,949,782	09/07/99
GDC-079	A Traffic Shaping ATM Network Switch	09/15/97	08/913,815	6,044,060	03/28/00
GDC-080	ATM Network Switch with Congestion Level Signaling for Controlling Cell Buffers	05/10/96	08/644,308	5,841,773	11/24/98
GDC-082	ATM Network Switch Congestion Control	12/04/97	08/973,441	6,122,253	09/19/00
GDC-083	Controlling the Flow of ATM Cells in an ATM Network	12/04/97	08/973,442	6,115,358	09/05/00

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Attorney File #	Title	US File Date	US File Serial #	US Patent #	US Patent Date
GDC-084	Method & Apparatus for Connection Admission Control of Variable BitRate Traffic in an ATM Switch	10/01/97	08/942,021	6,028,840	02/22/00
GDC-108	Dynamic Data Distribution to/from DSP Array (in VSM)	01/29/98	09/015,303	6,041,064	03/21/00
GDC-109	ATM AAL1 & AAL2 Adaptations Using Per Bearer Channel Selectable Data Patch	01/29/98	09/015,302	6,088,365	07/11/00
GDC-110	Fixed-Rate Serial Data Highway for Conveying Variable Rate Data for ATM AAL2 Processing	01/29/98	09/015,301	6,049,544	04/11/00
GDC-113	Precedence & Preemption in ATM Call Admission Control	05/09/97	08/853,654	6,141,322	10/31/00
GDC-139	Coordinating Multiple Processors (tent)				
GDC-140	Efficient Task Sharing between processors (tent)				
GDC-141	Signalling of an Internal Event in an Array of Processors (tent)				
GDC-142	Large Scale Multi-Environment DSP Array (tent)				

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Shrobes
Sikin

Attorney File #	Title	UK Date	UK Serial #	US File Date	US File Serial #	US Patent #	US Patent Date
	ATM Network Switch (Semi-permanent Virtual Paths & Circuits)	10/20/99	2 306 849				
	Virtual Channel Management	05/11/98	2 337 404				
GDC-136	Network Management Information Processing	10/02/98	2 344 262	03/30/01	09/806,783		
GDC-078	Data Network Switch with Fault Tolerance	03/22/00	2 299 914	10/07/97	08/930,973	6,067,286	05/23/00
GDC-133	Communication Network	02/10/98	2 344 029	09/29/99	PCT/US99/22 653		
	Data Switch Performance Monitoring	10/02/98	2 342 527				

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